

~~Inventor search

99/3,K/2 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01012378 **Image available**

ELEVATOR BELT WITH GROOVELESS JACKET
ENSEMBLE COURROIE D'ASCENSEUR AVEC SYSTEME DE GAINÉ SANS SILLON
REDUISANT

LE BRUIT ET LES VIBRATIONS

Patent Applicant/Assignee:

OTIS ELEVATOR COMPANY, Intellectual Property Department, Ten Farm
Springs, Farmington, CT 06032, US, US (Residence), US (Nationality)

Inventor(s):

BARANDA Pedro S, Apartado 4, 2726-901 Mem Martins, PT,
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O'DONNELL Hugh J, 289 Converse Street, Longmeadow, MA 01106, US,

Legal Representative:

O'BRIEN Sean W (agent), Deputy Intellectual Property Counsel, Ten
Farm

Springs, Farmington, CT 06032, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200342085 A2-A3 20030522 (WO 0342085)
Application: WO 2002US36255 20021112 (PCT/WO US0236255)
Priority Application: US 200110937 20011113

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

BR CN JP KR

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE
SK TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 4524

Fulltext Availability:

Detailed Description
Claims

Detailed Description

... of such materials are commercially available and known in the art
to

be useful for **elevator belt** assemblies. In one example, the
preferred

urethane material is an ether based polyurethane. In a particular
example, an MDI ether based material...

Claim

... ether based
polyurethane.

14 The assembly of claim 10, wherein the jacket comprises a waxless
polyurethane .

16

. An **elevator belt** assembly made by the process, comprising the

steps
of:
(a) aligning a plurality of cords...

99/3,K/3 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00999612 **Image available**
ELEVATOR BELT ASSEMBLY WITH NOISE REDUCING GROOVE ARRANGEMENT
ENSEMBLE DE COURROIE D'ASCENSEUR DONT L'ARRANGEMENT DES RAINURES A
POUR

EFFET DE REDUIRE LE BRUIT

Patent Applicant/Assignee:

OTIS ELEVATOR COMPANY, Intellectual Property Department, Ten Farm
Springs, Farmington, CT 06032, US, US (Residence), US (Nationality)

Inventor(s):

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US,

O'DONNELL Hugh James, 289 Converse Street, Longmeadow, MA 01106, US,

Legal Representative:

O'BRIEN Sean W (agent), Deputy Intellectual Property Counsel, Ten
Farm

Springs, Farmington, CT 06032, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200329556 A1 20030410 (WO 0329556)

Application: WO 2002US29817 20020919 (PCT/WO US0229817)

Priority Application: US 2001970587 20011004

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

CN JP KR

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE

SK TR

Publication Language: English

Filing Language: English

Fulltext Word Count: 3157

Fulltext Availability:

Claims

Claim

... the jacket comprises an elastomer.

7 The assembly of claim 6, wherein the elastomer comprises
polyurethane

S. An **elevator belt** assembly, comprising:
a plurality of cords aligned generally parallel to a longitudinal
axis of
the...the jacket comprises an elastomer.

14 The assembly of claim 13, wherein the elastomer comprises
polyurethane .

15 A method of making an **elevator belt** assembly having a plurality of cords within a jacket, comprising the steps of
(a) aligning the...

99/3,K/4 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00984403 **Image available**

ELEVATOR ROPE WITH WAXLESS COATING

CABLE D'ASCENSEUR COMPORTANT UN REVETEMENT SANS CIRE

Patent Applicant/Assignee:

OTIS ELEVATOR COMPANY, 10 Farm Springs Road, Farmington, CT 06032-2568,

US, US (Residence), US (Nationality)

Inventor(s):

WESSON John Peter, 39 Donnell Road, Vernon, CT 06066, US,
O'DONNELL Hugh James, 289 Converse Street, Longmeadow, MA 01106, US,
DINGER Christoph, Klein Witzeetze 28, 29482 Kuesten, DE,
MCKEE David W, 870 Main Street, P.O. Box 312, Somers, CT 06071, US,

Legal Representative:

O'BRIEN Sean W (agent), Deputy Intellectual Property Counsel, Otis Elevator Company, Ten Farm Springs, Farmington, CT 06032, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200314466 A1 20030220 (WO 0314466)

Application: WO 2002US23513 20020724 (PCT/WO US0223513)

Priority Application: US 2001921803 20010803

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CN DE JP

Publication Language: English

Filing Language: English

Fulltext Word Count: 1378

Fulltext Availability:

Detailed Description

Detailed Description

... least one load bearing member with a coating. More particularly, this

invention relates to an **elevator rope** or **belt** assembly having a waxless **urethane** coating.

(2) Elevator systems typically include a cab for carrying passengers between landings in a...

99/3,K/7 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0013267740 - Drawing available
WPI ACC NO: 2003-353563/200333
XRAM Acc No: C2003-093193

XRPX Acc No: N2003-282460

Rope **assembly for lifts , has load bearing units coated with waxless thermal polyurethane**

Patent Assignee: DENGGER C (DENG-I); MCKEE D E (MCKE-I); O'DONNELL H J (ODON-I); OTIS ELEVATOR CO (OTIS); WESSON J P (WESS-I)

Inventor: DENGGER C; MCKEE D E; MCKEE D W; O'DONNELL H J; WESSON J P

Patent Family (5 patents, 4 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|----------------|------|----------|--------------------|------|----------|----------|
| US 20030024770 | A1 | 20030206 | US 2001921803 | A | 20010803 | 200333 B |
| WO 2003014466 | A1 | 20030220 | WO 2002US23513 | A | 20020724 | 200333 E |
| DE 10297076 | T0 | 20040812 | DE 10297076 | A | 20020724 | 200453 E |
| | | | WO 2002US23513 | A | 20020724 | |
| JP 2004538382 | W | 20041224 | WO 2002US23513 | A | 20020724 | 200502 E |
| | | | JP 2003519585 | A | 20020724 | |
| CN 1539039 | A | 20041020 | CN 2002815193 | A | 20020724 | 200510 E |

Priority Applications (no., kind, date): US 2001921803 A 20010803

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|---|------|-----|----|-----|-----------------------------------|
| US 20030024770 | A1 | EN | 4 | 2 | |
| WO 2003014466 | A1 | EN | | | |
| National Designated States,Original: CN DE JP | | | | | |
| DE 10297076 | T0 | DE | | | PCT Application WO 2002US23513 |
| | | | | | Based on OPI patent WO 2003014466 |
| JP 2004538382 | W | JA | 16 | | PCT Application WO 2002US23513 |
| | | | | | Based on OPI patent WO 2003014466 |

Rope **assembly for lifts , has load bearing units coated with waxless thermal polyurethane**

Original Publication Data by Authority

Claims:

We claim:1. An elevator rope assembly, comprising:at least one elongate load **carrying member** ; anda **urethane** coating on the load carrying member that does not contain wax.

99/3,K/10 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0008710793

WPI ACC NO: 1998-251316/199822

XRAM Acc No: C1998-078431

Lift hoist rope has coated non-metallic fibres encased - in a jacket of polyurethane with embedded poly-aramid fibres

Patent Assignee: OTIS ELEVATOR CO (OTIS)

Inventor: O'DONNELL H J; O'DONNELL H J; O'DONNELL H J; OLSEN E G

Patent Family (14 patents, 23 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|---------------|------|----------|--------------------|------|----------|----------|
| WO 1998016681 | A2 | 19980423 | WO 1997US15406 | A | 19970903 | 199822 B |
| US 5881843 | A | 19990316 | US 1996729975 | A | 19961015 | 199918 E |

| | | | | | | | |
|---------------|----|----------|-----------------|---|----------|--------|---|
| EP 934440 | A2 | 19990811 | EP 1997939725 | A | 19970903 | 199936 | E |
| | | | WO 1997US15406 | A | 19970903 | | |
| BR 199712302 | A | 19990831 | BR 199712302 | A | 19970903 | 200002 | E |
| | | | WO 1997US15406 | A | 19970903 | | |
| CN 1233302 | A | 19991027 | CN 1997198828 | A | 19970903 | 200010 | E |
| US 6164053 | A | 20001226 | US 1996729975 | A | 19961015 | 200103 | E |
| | | | US 1999243308 | A | 19990202 | | |
| JP 2001502385 | W | 20010220 | WO 1997US15406 | A | 19970903 | 200114 | E |
| | | | JP 1998518326 | A | 19970903 | | |
| KR 2000049106 | A | 20000725 | WO 1997US15406 | A | 19970903 | 200116 | E |
| | | | KR 1999703186 | A | 19990413 | | |
| EP 934440 | B1 | 20020807 | EP 1997939725 | A | 19970903 | 200259 | E |
| | | | WO 1997US15406 | A | 19970903 | | |
| DE 69714599 | E | 20020912 | DE 69714599 | A | 19970903 | 200268 | E |
| | | | EP 1997939725 | A | 19970903 | | |
| | | | WO 1997US15406 | A | 19970903 | | |
| KR 471337 | B | 20050307 | WO 1997US15406 | A | 19970903 | 200545 | E |
| | | | KR 1999703186 | A | 19990413 | | |
| CN 1600984 | A | 20050330 | CN 1997198828 | A | 19970903 | 200547 | E |
| | | | CN 200410085638 | A | 19970903 | | |
| CN 1183293 | C | 20050105 | CN 1997198828 | A | 19970903 | 200620 | E |
| CN 1903690 | A | 20070131 | CN 200610100696 | A | 19970903 | 200735 | E |

Priority Applications (no., kind, date): US 1996729975 A 19961015; US 1999243308 A 19990202

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|--------|------|-----|----|-----|--------------|
|--------|------|-----|----|-----|--------------|

| | | | | | |
|---------------|----|----|----|---|--|
| WO 1998016681 | A2 | EN | 16 | 4 | |
|---------------|----|----|----|---|--|

National Designated States, Original: BR CN JP KR SG

Regional Designated States, Original: AT BE CH DE DK ES FI FR GB GR IE IT

LU MC NL PT SE

| | | | | | |
|-----------|----|----|--|--|--|
| EP 934440 | A2 | EN | | | |
|-----------|----|----|--|--|--|

PCT Application WO 1997US15406

Based on OPI patent WO 1998016681

Regional Designated States, Original: DE FR GB

| | | | | | |
|--------------|---|----|--|--|--|
| BR 199712302 | A | PT | | | |
|--------------|---|----|--|--|--|

PCT Application WO 1997US15406

Based on OPI patent WO 1998016681

| | | | | | |
|------------|---|----|--|--|--|
| US 6164053 | A | EN | | | |
|------------|---|----|--|--|--|

Division of application US

1996729975

Division of patent US 5881843

| | | | | | |
|---------------|---|----|----|--|--|
| JP 2001502385 | W | JA | 19 | | |
|---------------|---|----|----|--|--|

PCT Application WO 1997US15406

Based on OPI patent WO 1998016681

| | | | | | |
|---------------|---|----|--|---|--|
| KR 2000049106 | A | KO | | 4 | |
|---------------|---|----|--|---|--|

PCT Application WO 1997US15406

Based on OPI patent WO 1998016681

| | | | | | |
|-----------|----|----|--|--|--|
| EP 934440 | B1 | EN | | | |
|-----------|----|----|--|--|--|

PCT Application WO 1997US15406

Based on OPI patent WO 1998016681

Regional Designated States, Original: DE FR GB

| | | | | | |
|-------------|---|----|--|--|--|
| DE 69714599 | E | DE | | | |
|-------------|---|----|--|--|--|

Application EP 1997939725

PCT Application WO 1997US15406

Based on OPI patent EP 934440

Based on OPI patent WO 1998016681

| | | | | | |
|-----------|---|----|--|--|--|
| KR 471337 | B | KO | | | |
|-----------|---|----|--|--|--|

PCT Application WO 1997US15406

Previously issued patent KR

2000049106

CN 1600984 A ZH
1997198828

Based on OPI patent WO 1998016681
Division of application CN

Alerting Abstract ...USE - A **lift hoist rope** has coated strands encased in a jacket, e.g. of **urethane** with embedded poly-aramid fibres...

Documentation Abstract
...USE - A **lift hoist rope** has coated strands encased in a jacket,
e.g. of **urethane** with embedded poly-aramid fibres...

99/3,K/11 (Item 1 from file: 23)
DIALOG(R)File 23:CSA Technology Research Database
(c) 2007 CSA. All rts. reserv.

0004481600 IP ACCESSION NO: 199302-F1-D-0070
Ether-Based Polyurethane Article

O'Donnell, H J ; Gajewski, V J; Knizley, J B; Palinkas, R L;
Rosenberg, R
O
Otis Elevator
PUBLICATION DATE: 1992

, UK

DOCUMENT TYPE: Patent
RECORD TYPE: Abstract
LANGUAGE: English
FILE SEGMENT: Engineering Materials Abstracts

Ether-Based Polyurethane Article

O'Donnell, H J ; Gajewski, V J; Knizley, J B; Palinkas, R L;
Rosenberg, R
O

ABSTRACT:

An ether-based **polyurethane** article comprises a toluene disocyanate-terminated polyether polyolprepolymer cured with a blended polyester polyol/diamine...

...an elevator sheave liner or isolation pad. The invention also relates to an ether-based **polyurethane** elastomer formed by the reaction of a toluene diisocyanate-terminated polyether polyol prepolymer with a...

DESCRIPTORS: Patent; **Polyurethane** resins; End uses

99/3,K/12 (Item 2 from file: 23)

DIALOG(R)File 23:CSA Technology Research Database
(c) 2007 CSA. All rts. reserv.

0004481599 IP ACCESSION NO: 199208-E1-P-0574
**Ether-Based Polyurethane Elevator Sheave Liner-- Polyurethane -Urea
Made
From Polyether Urethane Propolymer Chain Extended With
Polyester/Diamine
Blend**

O'Donnell, H J ; Gajewski, V J; Knizley, J B; Palinkas, R L;
Rosenberg, R
O
Otis Elevator
PUBLICATION DATE: 1992

, USA

DOCUMENT TYPE: Patent
RECORD TYPE: Abstract
LANGUAGE: English
FILE SEGMENT: Engineering Materials Abstracts

**Ether-Based Polyurethane Elevator Sheave Liner-- Polyurethane -Urea
Made
From Polyether Urethane Propolymer Chain Extended With
Polyester/Diamine
Blend**

O'Donnell, H J ; Gajewski, V J; Knizley, J B; Palinkas, R L;
Rosenberg, R
O

ABSTRACT:

An ether-based **polyurethane** article comprises a toluene diisocyanate-terminated polyether polyol prepolymer cured with a blended polyester polyol...

DESCRIPTORS: Patent; Polyether based **polyurethanes** ; Molding
(process);
Curing

~~Bibliographic patent files

*****of interest***** (instant application)

12/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0013493254 - Drawing available
WPI ACC NO: 2003-585580/200355
XRAM Acc No: C2003-158481
XRPX Acc No: N2003-466186
**Manufacture of lift belt assembly with cords in jacket comprises
aligning cords in selected arrangement, applying selected jacket**

material

to cords, and maintaining selected tension on cords

Patent Assignee: BARANDA P S (BARA-I); HOLLOWELL R L (HOLL-I);
O'DONNELL

H J (ODON-I); OTIS ELEVATOR CO (OTIS); PITTS J T (PITT-I)

Inventor: BARANDA P S; HOLLOWELL R L; O'DONNELL H J; O'DONNELL H J;
PITTS J

T

Patent Family (8 patents, 36 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update |
|----------------|------|----------|--------------------|------|----------|----------|
| US 20030092524 | A1 | 20030515 | US 200110937 | A | 20011113 | 200355 B |
| WO 2003042085 | A2 | 20030522 | WO 2002US36255 | A | 20021112 | 200355 E |
| EP 1444160 | A2 | 20040811 | EP 2002789595 | A | 20021112 | 200452 E |
| | | | WO 2002US36255 | A | 20021112 | |
| BR 200213769 | A | 20041019 | BR 200213769 | A | 20021112 | 200476 E |
| | | | WO 2002US36255 | A | 20021112 | |
| JP 2005508776 | W | 20050407 | WO 2002US36255 | A | 20021112 | 200524 E |
| | | | JP 2003543933 | A | 20021112 | |
| CN 1585695 | A | 20050223 | CN 2002822394 | A | 20021112 | 200537 E |
| TW 200300125 | A | 20030516 | TW 2002133261 | A | 20021113 | 200556 E |
| KR 2005056907 | A | 20050616 | WO 2002US36255 | A | 20021112 | 200641 E |
| | | | KR 2004706500 | A | 20040430 | |

Priority Applications (no., kind, date): US 200110937 A 20011113

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|--|------|-----|----|-----|--------------------------------|
| US 20030092524 | A1 | EN | 8 | 5 | |
| WO 2003042085 | A2 | EN | | | |
| National Designated States, Original: BR CN JP KR | | | | | |
| Regional Designated States, Original: AT BE BG CH CY CZ DE DK EE ES FI | | | | | |
| FR | | | | | |
| GB GR IE IT LU MC NL PT SE SK TR | | | | | |
| EP 1444160 | A2 | EN | | | PCT Application WO 2002US36255 |
| Based on OPI patent WO 2003042085 | | | | | |
| Regional Designated States, Original: AL AT BE BG CH CY CZ DE DK EE ES | | | | | |
| FI | | | | | |
| FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR | | | | | |
| BR 200213769 | A | PT | | | PCT Application WO 2002US36255 |
| Based on OPI patent WO 2003042085 | | | | | |
| JP 2005508776 | W | JA | 16 | | PCT Application WO 2002US36255 |
| Based on OPI patent WO 2003042085 | | | | | |
| TW 200300125 | A | ZH | | | |
| KR 2005056907 | A | KO | | | PCT Application WO 2002US36255 |
| Based on OPI patent WO 2003042085 | | | | | |

Manufacture of lift belt assembly with cords in jacket comprises
aligning cords in selected arrangement, applying selected jacket
material

to cords, and maintaining selected tension on cords

Original Titles:

... ELEVATOR BELT WITH GROOVELESS JACKET

...

... Elevator belt assembly with noise and vibration reducing

grooveless
jacket arrangement...

... **ELEVATOR BELT ASSEMBLY WITH NOISE AND VIBRATION REDUCING
GROOVELESS
JACKET ARRANGEMENT**

Alerting Abstract ...NOVELTY - Lift belt assembly (40) with cords (42) in **jacket** (44) is manufactured by aligning cords in selected arrangement, applying selected **jacket** material to encase the cords in the

jacket with smooth uninterrupted surface, and maintaining selected tension on cords. DESCRIPTION - An INDEPENDENT CLAIM is also included for a

lift belt assembly comprising cord aligned parallel to the longitudinal axis of the belt and a **jacket** over the cord including a smooth, uninterrupted exterior surface adapted to contact other components in...

...USE - For manufacturing **lift belt** assembly...

...44 **Jacket**

Technology Focus

MECHANICAL ENGINEERING - Preferred Process: The manufacture of **lift belt** assembly further includes inspecting the sample belt assembly, determining whether configuration of the sample belt...

...POLYMERS - Preferred Component: The **jacket** comprises an ether based **polyurethane** or **waxless polyurethane** .

...

...Preferred Process: A molding device is used to apply the **jacket** material and includes cooling the **jacket** or molding device as the applied

jacket and cords exit the molding device. Fluid is applied to the **jacket**

material or molding device. The molding device has an opening with a non-linear configuration so that the **jacket** varies in thickness across

the width of the **jacket** . The exterior of the **jacket** is finished by forcing it into a shaping device so that the **jacket** has the desired configuration, then cooling the belt assembly

Title Terms.../Index Terms/Additional Words: JACKET ;

Class Codes

...International Classification (Main): **F16G-001/04**

Original Publication Data by Authority

Original Abstracts:

An elevator load bearing assembly includes a plurality of cords within a

jacket . The cords are **spaced** from an exterior surface on the **jacket** such that the **spacing** remains generally constant along the length of the

belt. The **jacket** has a smooth, **uninterrupted** exterior surface for contacting sheaves as the belt moves in the **elevator** system. A method of

making the inventive belt assembly is disclosed. The inventive belt assembly...

...An elevator load bearing assembly includes a plurality of cords within a

jacket . The cords are spaced from an exterior surface **on** the **jacket**

such that the spacing remains generally constant along **the** length of the

belt. The **jacket** has a smooth, uninterrupted exterior surface for contacting **sheaves** as the belt moves in the elevator system. A method of

making the inventive **belt assembly** is disclosed. The inventive belt assembly minimizes the possibility for generating an annoying, audible sound...

...An elevator load bearing assembly includes a plurality of cords within a

jacket . The cords are spaced from an exterior surface on the **jacket** such that **the** spacing remains generally constant along the length of the

belt. **The jacket** has a smooth, uninterrupted exterior surface for contacting sheaves as the belt moves **in** the elevator system. A method of

making the inventive belt assembly is disclosed. The inventive **belt** assembly minimizes the possibility for generating an annoying, audible sound and vibration during **elevator** operation...

Claims:

We claim:1. A method of making an **elevator belt** assembly having

a plurality of cords within **a jacket** , comprising the steps of:(a) aligning the plurality **of** cords in a selected arrangement;(b) applying a

selected **jacket** material to the cords to encase the cords in the **jacket**

with **a** generally smooth, uninterrupted surface on an exterior of the **jacket** **that** is adapted to contact sheaves in an elevator system; and(c)

maintaining a selected tension on the cords, respectively, while applying

the **jacket** such that the tension on the cords controls positions of the

cords within the **jacket** and the cords are uniformly spaced from the generally smooth, uninterrupted surface on the **jacket** along the length of

the belt assembly.

12/3,K/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0013267740 - Drawing available
WPI ACC NO: 2003-353563/200333
XRAM Acc No: C2003-093193
XRPX Acc No: N2003-282460

Rope **assembly for lifts , has load bearing units coated with**
waxless

thermal polyurethane

Patent Assignee: DENGGER C (DENG-I); MCKEE D E (MCKE-I); O'DONNELL H J
(ODON-I); OTIS ELEVATOR CO (OTIS); WESSON J P (WESS-I)

Inventor: DENGGER C; MCKEE D E; MCKEE D W; O'DONNELL H J; WESSON J P

Patent Family (5 patents, 4 countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | |
|----------------|------|----------|--------------------|------|----------|--------|---|
| US 20030024770 | A1 | 20030206 | US 2001921803 | A | 20010803 | 200333 | B |
| WO 2003014466 | A1 | 20030220 | WO 2002US23513 | A | 20020724 | 200333 | E |
| DE 10297076 | T0 | 20040812 | DE 10297076 | A | 20020724 | 200453 | E |
| | | | WO 2002US23513 | A | 20020724 | | |
| JP 2004538382 | W | 20041224 | WO 2002US23513 | A | 20020724 | 200502 | E |
| | | | JP 2003519585 | A | 20020724 | | |
| CN 1539039 | A | 20041020 | CN 2002815193 | A | 20020724 | 200510 | E |

Priority Applications (no., kind, date): US 2001921803 A 20010803

Patent Details

| Number | Kind | Lan | Pg | Dwg | Filing Notes |
|--|------|-----|----|-----|-----------------------------------|
| US 20030024770 | A1 | EN | 4 | 2 | |
| WO 2003014466 | A1 | EN | | | |
| National Designated States, Original: CN DE JP | | | | | |
| DE 10297076 | T0 | DE | | | PCT Application WO 2002US23513 |
| | | | | | Based on OPI patent WO 2003014466 |
| JP 2004538382 | W | JA | 16 | | PCT Application WO 2002US23513 |
| | | | | | Based on OPI patent WO 2003014466 |

Rope **assembly for lifts , has load bearing units coated with**
waxless

thermal polyurethane

Original Titles:

Elevator belt assembly with waxless coating

...

... **ELEVATOR ROPE WITH WAXLESS COATING**

Alerting Abstract ...load bearing units (40) comprising several
metallic

and non-metallic strands, which are coated with **waxless thermal**
polyurethane (42).... **lift rope making method ; and lift**
system...

...DESCRIPTION OF DRAWINGS - The figure shows the schematic view of the
rope assembly for lift .

...

...42 **Waxless thermal polyurethane**

Title Terms.../Index Terms/Additional Words: **COATING ;**

Original Publication Data by Authority

Original Abstracts:

A roping or belt assembly in an **elevator** system includes at least one load bearing member that is covered using a urethane **coating**. The urethane **coating** **does** not contain **any** waxes. The absence of the waxes, which are otherwise typically included in urethane **coatings**, ensures better friction **characteristics** in elevator system operation...

...20) includes at least one load bearing member (40) that is covered using a urethane **coating** (42). The urethane **coating** (42) does not contain **any** waxes. The absence **of** the waxes, which are otherwise typically included in urethane **coatings**, ensures better friction characteristics in elevator system operation.

Claims:

We claim:1. An **elevator rope** assembly, comprising:at least one elongate load **carrying member**; anda urethane **coating** on the load carrying member that does not contain wax.

~~Bibliographic NPL files

11/3,K/5 (Item 3 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2007 American Chemical Society. All rts. reserv.

95205552 CA: 95(24)205552q PATENT

High performance urethane coating which is a solvent solution of a polyester containing hydroxyl groups and an aliphatic diisocyanate
INVENTOR(AUTHOR): Ehrhart, Wendell A.

LOCATION: USA

PATENT: United States US 4260717 DATE: 810407

APPLICATION: United States US 111100 DATE: 800110

PAGES: 5 pp. CODEN: USXXAM LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: 528059000; C08G-018/24;

11/3,K/6 (Item 4 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2007 American Chemical Society. All rts. reserv.

91109115 CA: 91(14)109115w PATENT

Photopolymerizable and moisture curable coating containing partially capped isocyanate prepolymers and acrylate monomers

INVENTOR(AUTHOR): Bolgiano, Nicholas C.

LOCATION: USA

ASSIGNEE: Armstrong Cork Co.

PATENT: United States US 4138299 DATE: 790206

APPLICATION: United States US 863844 DATE: 771223
PAGES: 4 pp. CODEN: USXXAM LANGUAGE: English
PATENT CLASSIFICATIONS:
CLASS: 204159160; C08F-008/00; C08G-018/00;

~~Full text NPL files

12/3,K/3 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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07599409 Supplier Number: 63609701 (USE FORMAT 7 FOR FULLTEXT)

Building Materials.

Do-It-Yourself Retailing, v178, n5, p192
May, 2000

Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 14280

... and blankets are flammable and must be covered after
installation.

Ordinary gypsum board is adequate **covering** .

Cellulose is a paper product and therefore naturally combustible.
When properly treated with fire-retardant...

...exterior materials can also cause condensation, especially when
painted
several times and sealed.

Vapor-retardant **facings** on faced building insulation are the
most
common form of material used to prevent condensation...

...label lists the R number. The next column tells how many bags are
needed
to **cover** 1,000 square feet of attic floor area. ...snugly between
studs.

Also, insulation should not be stuffed behind wires; the insulation
(not
the **facing**) should be cut to fit around the wire.

Encapsulated Insulation
Batts and rolls are also...

...are popular because of their durability and low cost. Fiberboard
repels
water, while the asphalt **coating** eliminates the need for building
paper.

Polystyrene sheathings are available in molded board (polystyrene
beads...

...and easy to install. For instance, insulation for water heaters
consists
of an easily applied **covering** of fiber glass or reflective foil
(commonly
known as a "heating **jacket** "). It is slipped over the water heater and
reduces the energy required to maintain hot...long, which ensures a
tight

fit. Again, it should be installed with the vapor retarder **facing** toward the warm-in-winter side. Wedge the blankets snugly between the studs, Staple the...

...moisture build-up. Do not leave faced insulation or polyethylene uncovered; these materials are flammable. **Cover** with an approved interior finish such as gypsum wallboard.

In addition, installation in the floor...

...floor, slip faced insulation blankets between the floor joists. Again, make sure the vapor retarder **faces** up, toward the warm-in-winter side.

The insulation will stay in place temporarily. However...

...number of designs and qualities. Acoustical and sculptured tiles are available. Some have a vinyl **coating** that allows them to be cleaned easily.

One method of installation involves a system of...

...drywall or plaster ceiling.

Suspended ceilings can be used to lower high ceilings and to **cover** open framing, heating ducts and other pipes, making it a popular choice for basements. Suspended...

...can be backloaded with additional insulation.

Ceiling planks offer a wood-grain texture look to **cover** unattractive drywall or plaster ceilings with pops, cracks or stains. Planks are typically 48" x...A customer merely rolls it out and nails it down, then cements the laps and **covers** nail holes, leaving no space for damage from wind, rain or snow.

A typical roll roofing, known as 90-pound granule-coated, will **cover**

100 square feet. (In roofing terminology, a "square" is a 10' x 10' area.)

A 45-pound smooth roofing, without granules, will also **cover** a square.

Those two rolls, plus a smooth 65-pound roll, will suffice for roll...

...customer interested in roll roofing, be sure to suggest roofing nails as well as roof **coatings** or cements as add-on products.

Metal Roofing

A wide variety of metal roofing options are available that feature different fastening and **coating** systems. Because of steel's price and supply stability, steel housing components have become more...

...fasteners. Customers with steel roofing must watch for rust, which can be prevented with a **coating** of zinc or a mixture of zinc and aluminum.

The best steel panels are manufactured...

...are made of organic cellulose fiber, impregnated in asphalt and sealed with melamine resin.

Roof **Coatings** and Cements

Cold-applied roof **coatings** and cements are easily applied direct from the container, and with little or no heating...

...resins (asphalt or coal tar) to polymeric resins (acrylic, neoprene and others).

Cold-applied roof **coatings** and cements include the following types:

Reinforcing fabrics are used primarily with roof cement to...

...be applied to dry or wet surfaces. It is a great universal product.

Fiberglass roof **coating** is used to coat the roof's entire surface to protect against water and weather...

...Some manufacturers offer all-temperature products, while some products are designed for specific seasons. Roof **coatings** should be stored at room

temperature, and never applied to a surface covered with ice or frost.

While roof **coatings** can add years of life to a roof, they will not

provide optimum performance unless all damaged areas are properly repaired

prior to **coating**. All surfaces must be clean and free of surface rust, scale or any other loose...

...guttering, while others are designed as complete guttering systems. One

is a plastic mesh that **covers** the gutter, allowing water in but keeping

leaves out. Plastic gutter guard is rust- and...support mailboxes and outdoor lamps.

Simulated Brick and Stone

Imitation brick and/or stone wall **facings** are made of plastic or

fiber glass. Some brands come in interlocking panels; the best...

...flake. The material will not warp or rot.

Interior wood shutters can be used to **cover** interior windows or as

cafe doors between rooms. Besides the conventional louvered shutter, open

frame...

...in a framework that includes the header and side jambs of the door and

the **casing** trim. The door may also be predrilled for the lockset.

Doors

bought separately for new Insulated doors usually have galvanized steel

facing with polystyrene, polyurethane, wood or particleboard cores. The steel exterior provides structural strength and eliminates...low-E) glass can provide meaningful energy savings. Low-E glass uses a thin metallic **coating** that lets in sunlight while also blocking ultraviolet (UV) light and infrared light. UV light...

...upholstery. Low-E glass also reduces condensation and prevents radiant heat from escaping. The metallic **coating** itself warms the inside surface of the window, which makes the nearby areas of a room more comfortable in winter. The **coating** is on one of the inner surfaces of a double-pane window or suspended between the panes on a thin film.

Low-E **coatings** are also available for existing windows; a coated film is available to be applied to... same high-tech glazing used in top-quality wood windows-insulating glass with low-E **coatings** and filled with argon gas to increase insulating value.

Vinyl is a good replacement window...a good rule of thumb is that two

60 lb. bags of concrete mix will **cover** a 3 sq. ft. area 4" thick.

Blacktop Sealer

Outdoor asphalt surfaces require periodic treatment...Weather stripping is a thin strip of felt, metal, wood or other material used to

cover the joint between a door or window sash and the jamb, **casing** or sill. It is used to prevent drafts and heat loss around doors, windows or

...

...made of vinyl, but are the best permanent type.

Clear wood moulding with vinyl foam **facing** works well around doors and windows. This rigid moulding requires less nailing and installs easily

...

...used in conjunction with a smooth top aluminum threshold to form a proper seal.

FLOOR COVERINGS

Carpeting

Carpet remains the most popular floor **covering**, accounting for more than two-thirds of floor **covering** sales. Carpet tiles, indoor-outdoor carpet and ...by type and the amount of traffic in the area to be carpeted. Roll-type **coverings** and paddings--usually available in 36", 54, 72", 108" and 144" widths--can be installed...

...the room, transfer it to the flooring and cut the flooring to fit.

Most floor **coverings** have a **no - wax** surface, either vinyl or **urethane** . However, most manufacturers recommend application of specially formulated floor finish to enhance or restore shine and provide added protection.

A **urethane** surface is tougher than vinyl **no wax** . A vinyl **no - wax** floor will lose its shine eventually; the floor is not harmed if nothing is done...

...determined by the quality of the material as well as the thickness of the vinyl **covering** . All else being equal, a thicker **coating** ensures a longer life. Urethane lasts longer than vinyl.

* Resistance to scratching and staining is...resilient foam core. It can be designed to look like wood, stone or marble. A **coating** of aluminum oxide provides hardness for the flooring, which is installed over a subfloor or...

...it is not recommended for installation in bathrooms.

Seamless Flooring

Seamless flooring is liquid floor **covering** applied over any paintable surface in a number of coats. Usually a base coat **covers** the old floor. A layer of color flakes is then applied, and then sealed with...

...as its base. If the flooring is applied over peeling or cracking linoleum, the new **coating** may peel; if the base is red concrete, the red may begin to bleed through...passes through the roof and requires flashing.

Square -- The amount of roofing material required to **cover** 100 square feet (10' x 10') of roof surface.

Valley -- The trough formed where two...

12/3,K/5 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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07043794 Supplier Number: 57643431 (USE FORMAT 7 FOR FULLTEXT)
Product Spotlight.
Flooring, vl05, n1, p65
Jan, 1999
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2637

... flooring line, offers 12 natural hardwood species. Remington features a Mara-Thon Finish, a superior **no - wax** , UV-cured acrylic-**urethane coating** , which requires only vacuuming or a dust mop to clean.
The 9/16" engineered solid...

...Alliance, a partnership of specialty contractors and highly skilled union crafts workers, can assure floor **covering** installations are completed on time, on spec and on budget. The Alliance can put you...

...touch with journey-level installers. These crafts workers have completed comprehensive apprenticeship training programs that **cover** key areas in floor **covering**, such as product knowledge, installation and job-related issues. Journey-level workers are required to...
...100 grit sandpaper, and surface imperfections are improved with solid wood patches. Multiply has hardwood **face** veneers, a puncture-proof core and waterproof resins to ensure a permanent bond. The panels...

...to MacMillan Bloedel Building Materials' instructions. Multiply panels come with a nailing guide on the **face** and are available in 4" x 4" panels. Multiply comes in both 1/4" and ...CUTTING EQUIPMENT

Brockie International, Inc., has designed a line of cut order systems for floor **covering** manufacturers, distributors and larger dealers. The first introduction in the IVC line is the ACCUCUT...two styles, a two-strip and a single-strip configuration, forming a single 5" square **face**. The collection features 5-ply cross-grain engineering which will allow installation on any grade...

12/3,K/6 (Item 5 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2007 The Gale Group. All rts. reserv.

05687009 Supplier Number: 53527273 (USE FORMAT 7 FOR FULLTEXT)
Building materials. (1998 Product Knowledge Handbook) (information on the types, applications and products available in the market)
Do-It-Yourself Retailing, v174, n5, p130(1)
May, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 14110

... and blankets are flammable and must be covered after installation.
Ordinary gypsum board is adequate **covering**.
Cellulose is a paper product and therefore naturally combustible.
When properly treated with fire-retardant...

...exterior materials can also cause condensation, especially when painted several times and sealed.
Vapor-retardant **facings** on faced building insulation is the most

common form of material used to prevent condensation...

...label lists the R number. The next column tells how many bags are needed to **cover** 1,000 square feet of attic floor area. The third column gives the minimum thickness...snugly between studs. Also, insulation should not be stuffed behind wires; the insulation (not the **facing**) should be cut to fit around the wire.

Encapsulated Insulation
Batts and rolls are also...

...are popular because of their durability and low cost. Fiberboard repels water, while the asphalt **coating** eliminates the need for building paper.

Polystyrene sheathings are available in molded board (polystyrene beads...

...and easy to install. For instance, insulation for water heaters consists of an easily applied **covering** of fiber glass or reflective foil (commonly known as a "heating **jacket** "). It is slipped over the water heater and reduces the energy required to maintain hot...long, which ensures a tight fit. Again, it should be installed with the vapor retarder **facing** toward the warm-in-winter side. Wedge the blankets snugly between the studs. Staple the...

...prevent moisture buildup. Do not leave faced insulation or polyethylene uncovered; these materials are flammable. **Cover** with an approved interior finish such as gypsum wallboard.

Also, installation in the floor must...

...floor, slip faced insulation blankets between the floor joists. Again, make sure the vapor retarder **faces** up, toward the warm-in-winter side. The insulation will stay in place temporarily. However...

...number of designs and qualities. Acoustical and sculptured tiles are available, some with a vinyl **coating** that allows them to be cleaned easily.

One method of installation involves a system of...

...drywall or plaster ceiling.

Suspended ceilings can be used to lower high ceilings and to **cover** open framing, heating ducts and other pipes, making it a popular choice for basements. Suspended...

...can be backloaded with additional insulation.

Ceiling planks offer a wood-grain texture look to **cover** unattractive drywall or plaster ceilings with pops, cracks or stains. Planks are typically 48[inches...A customer merely rolls it out and nails it down, then cements the laps and **covers** nail holes, leaving no space for damage from wind, rain or snow.

A typical roll roofing, known as 90-pound granule-coated, will **cover** 100 square feet. (In roofing terminology, a "-square" is a 10[feet] x 10[feet] area.) A 45-pound smooth roofing, without granules, will also **cover** a square. Those two rolls, plus a smooth 65-pound roll, will suffice for roll...

...customer interested in roll roofing, be sure to suggest roofing nails as well as roof **coatings** or cements as add-on products.

Metal Roofing

A wide variety of metal roofing options are available that feature different fastening and **coating** systems. Because of steel's price and supply stability, steel housing components have become more...

...fasteners. Customers with steel roofing must watch for rust, which can be prevented with a **coating** of zinc or a mixture of zinc and aluminum. The best steel panels are manufactured...

...four times that of asphalt, and not every home can support that extra weight.

Roof **Coatings** and Cements

Cold-applied roof **coatings** and cements are non-flammable, and they are easily applied - direct from the container, and...
...resins (asphalt or coal tar) to polymeric resins (acrylic, neoprene and others).

Cold-applied roof **coatings** and cements include the following types:

Plastic roof cement is a trowel-grade, general-use...

...additional components that allow it to be applied to dry or wet surfaces.

Fiberglass roof **coating** is used to coat the roof's entire surface to protect against water and weather damage...

...bond with most coated roll roofing products.

Reinforcing fabrics are used with asphalt cements and **coatings** to add strength and flexibility to any surface repair.

Some manufacturers offer all-temperature products, while some

products are designed for specific seasons. Roof **coatings** should be stored at room temperature, and never applied to a surface covered with ice

...guttering, while others are designed as complete guttering systems. One

is a plastic mesh that **covers** the gutter, allowing water in but keeping

out leaves. Plastic gutter guard is rust- and...support mailboxes and outdoor lamps.

Simulated Brick and Stone

Imitation brick and/or stone wall **facings** are made of plastic or

fiber glass. Some brands come in interlocking panels; the best...and the

material won't warp or rot.

Interior wood shutters can be used to **cover** interior windows or as

care doors between rooms. Besides the conventional louvered shutter, open frame...

...in a framework that includes the header and side jambs of the door and

the **casing** trim. The door may also be predrilled for the lockset.

Doors

bought separately for new...

...insulation, durability, fire-resistance and security than wood doors.

Insulated doors usually have galvanized steel **facing** with polystyrene, polyurethane, wood or particleboard cores. The steel exterior

provides structural strength and eliminates...low- E) glass can provide meaningful energy savings. Low-E glass uses a thin metallic **coating** that

lets in sunlight while also blocking ultraviolet (UV) light and infrared light, UV light...

...upholstery. Low-E glass also reduces condensation and prevents radiant

heat from escaping. The metallic **coating** itself warms the inside surface

of the window, which makes the nearby areas of a room more comfortable in

winter. The **coating** is on one of the inner surfaces of a double-pane window or suspended between the panes on a thin film. Low-E **coatings** are

also available for existing windows; a coated film is available to be applied to...

...same high-tech glazing used in top-quality wood windows - insulating glass with low-E **coatings** and filled with argon gas to increase insulating value.

Vinyl is a good replacement window...a good rule of thumb is that two

60 lb. bags of concrete mix will **cover** a 3 sq. ft. area 4[inches]

thick.

Blacktop Sealer

Outdoor asphalt surfaces require periodic...

...Weather stripping is a thin strip of felt, metal, wood or other material

used to **cover** the joint between a door or window sash and the jamb, **casing** or sill. It is used to prevent drafts and heat loss around doors, windows or...made of vinyl, but are the best permanent type.

Clear wood molding with vinyl foam **facing** works well around doors and windows. This rigid molding requires less nailing and installs easily

...

...open the door halfway and install the same way as door bottom weather strip.

FLOOR COVERINGS

Carpeting

Carpet remains the most popular floor **covering**, accounting for more than two-thirds of floor **covering** sales. Carpet tiles, indoor-outdoor carpet and roll carpeting are durable enough for use in...by type and the amount of traffic in the area to be carpeted. Roll-type **coverings** and paddings - usually available in 36[inches], 54[inches], 72[inches], 108[inches] and 144...

...the room, transfer it to the flooring and cut the flooring to fit.

Most floor **coverings** have a **no - wax** surface, either vinyl or **urethane**. However, most manufacturers recommend application of specially formulated floor finish to enhance or restore shine and provide added protection.

A **urethane** surface is tougher than vinyl **no - wax**. A vinyl **no - wax** floor will lose its shine eventually; the floor is not harmed if nothing is done...

...determined by the quality of the material as well as the thickness of the vinyl **covering**. All else being equal, a thicker **coating** ensures a longer life. Urethane lasts longer than vinyl.

* Resistance to scratching and staining is...resilient foam core. It can be designed to look like wood, stone or marble. A **coating** of aluminum oxide provides hardness for the flooring, which is installed over a subfloor or...

...it is not recommended for installation in bathrooms.

Seamless Flooring

Seamless flooring is liquid floor **covering** applied over any paintable surface in a number of coats. Usually a base coat **covers**

the
old floor. A layer of color flakes is then applied, and then sealed
with...

...as its base. If the flooring is applied over peeling or cracking
linoleum, the new **coating** may peel; if the base is red concrete, the
red
may begin to bleed through...passes through the roof and requires
flashing.

Square - The amount of roofing material required to **cover** 100
square feet (10[feet] x 10[feet]) of roof surface.

Valley - The trough formed...

12/3,K/13 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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08918631 SUPPLIER NUMBER: 18413776 (USE FORMAT 7 OR 9 FOR FULL
TEXT)

Building materials. (1996 Product Knowledge Handbook)

Do-It-Yourself Retailing, v170, n5, p125(12)

May, 1996

ISSN: 0889-2989 LANGUAGE: English RECORD TYPE: Fulltext;

Abstract

WORD COUNT: 12150 LINE COUNT: 00949

... label lists the R number. The next column tells how many bags
are
needed to **cover** 1,000 square feet of attic floor area. The third
column
gives the minimum thickness...construction industry due to their
durability
and low cost. Fiberboard repels water, and the asphalt **coating**
eliminates
the need for building paper.

Polystyrene sheathings are available in molded board (polystyrene
beads...

...wrapped because of their different sizes.

Insulation for water heaters consists of a blanket or **covering**
of
fiber glass or reflective foil that is slipped over the water heater
and
reduces...of insulation slightly long to ensure a tight fit. Install it
with the vapor retarder **facing** toward the warm-in-winter side. Wedge
the
blankets snugly between the studs. Staple the...
...build-up. Do not leave faced insulation or polyethylene uncovered
because these materials are flammable. **Cover** it with an approved
interior
finish such as gypsum wallboard.

Insulation installation in the floor...

...R-19 kraft-faced insulation blankets between the floor joists. Make
sure
the vapor retarder **faces** up toward the warm-in-winter side - the

insulation will stay in place temporarily. However...

...to be promoted most frequently. Acoustical and sculptured tiles are available, some with a vinyl **coating** that allows them to be cleaned easily.

One method of installation involves a system of...

...are relatively easy to install. They can be used to lower high ceilings and to **cover** open framing, heating ducts and pipes.

Suspended ceiling panels normally are 2(feet) x 4...A customer merely rolls it out, nails it down and then cements the laps and **covers** nail holes, leaving no space for damage from wind, rain or snow.

You will want...

...customer interested in roll roofing.

A typical roll roofing, known as 90# granule-coated, will **cover** 100 square feet. In roofing terminology, a "square" is a 10(feet) x 10(feet) area.

A 45# smooth roofing, without granules, will also **cover** a square. Those two rolls, plus a smooth 65# roll, will suffice for roll roofing...

...gutter guard is a good add-on sale. Gutter guard is a plastic mesh that **covers** the gutter, allowing water in while keeping leaves out. Plastic gutter guard is rust- and...appealing real wood look, ease of installation and toughness. it comes in a variety of **face** treatments and species. It is available in 3/8(inches) and other thicknesses, but 1...

...to support mailboxes and outdoor lamps.

SIMULATED BRICK/STONE

Imitation brick and/or stone wall **facings** are made of plastic or fiber glass. Some brands come in interlocking panels; the best... pre-finished pre-hung, with hardware attached ready to use.

They can be used to **cover** interior windows or as cafe doors between rooms.

Besides the conventional louvered shutter, open frame...

...in a framework that includes the header and side jambs of the door and the **casing** trim. The door may be pre-drilled for the lockset. If you buy doors separately...

...jamb - along with the hinges and lockset.

INSULATED DOORS

Insulated doors usually have galvanized steel **facing** with polystyrene, wood or particleboard cores. The steel exterior provides structural strength and eliminates cracking...so it is a good item to

merchandise and promote.

Closet lining comes in bundles **covering** 32 square feet

CERAMIC TILE

Ceramic tile is made primarily of clay that has been...

...tile is an impermeable, smooth-surfaced tile with a colored, opaque glaze fused to the **face** during firing. The glaze may be high-gloss, satin

or matte with a smooth or...

...and constructed for heavy wear. This type is sometimes glazed.

Decorative tile is any tile **face** decorated by silk screening, hand painting or affixing of decals before firing.

Faience tile has variations in the **face**, edges and glaze that give a handcrafted, non-mechanical, decorative effect.

Floor tile is a...

...abrasion and impact.

Mounted tile is assembled into units or sheets, either back-mounted or

face-mounted, and bonded to facilitate handling.

Sculptured tile has a decorative design of high and low areas molded into the **face**.

Special purpose tile is glazed or unglazed tile with special physical design or appearance characteristics...a good rule of thumb is that two 60-lb. bags of concrete mix will **cover** a 3-square-foot area 4(inches) thick.

BLACKTOP SEALER

Outdoor asphalt surfaces require periodic...metal and felt for more sturdy use.

Clear wood moulding with closed-cell vinyl foam **facing** is traditionally one of the best-selling do-it-yourself weatherstrips on the market. This...sides, open the door halfway and install the same way as door bottom weatherstrip.

FLOOR COVERINGS

CARPETING

Carpet tiles, indoor-outdoor tile and roll-type carpeting are durable in recreation rooms...to comfort.

Padding is usually made from felted cushion, foam plastic or rubber.

Roll-type **coverings** and paddings, usually in 36(inches), 54(inches), 72(inches), 108(inches) and 144(inches)...

...the room, transfer it to the flooring and cut the flooring to fit.

Most floor **coverings** have a **no - wax** surface. They are vinyl or **urethane**. These floors keep their shine longer than regular vinyl and require no waxing. However, most...

...of specially formulated floor finish to enhance or restore shine and provide added protection.

A **urethane** surface is tougher than vinyl **no - wax** . A vinyl **no - wax** floor will lose its shine eventually; the floor is not harmed if nothing is done...

...determined by the quality of the material as well as the thickness of the vinyl **covering** . All else being equal, a thicker **coating** ensures longer life. Some manufacturers say that the type of wear surface is more important...but allowing dirt and germs to be trapped.

SEAMLESS FLOORING

Seamless flooring is liquid floor **covering** applied over any paintable surface in a number of coats. Usually a base coat **covers** the old floor.

A layer of color flakes is then applied and sealed with a...

...as its base. If the flooring is applied over peeling or cracking linoleum, the new **coating** may peel; if the base is red concrete, the red may begin to bleed through...

...passes through the roof and requires flashing.

Square - The amount of roofing material required to **cover** 100 square feet (10(feet) x 10(feet)) of roof surface.

Valley - The trough formed...

12/3,K/18 (Item 7 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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05928996 SUPPLIER NUMBER: 12471949 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Building materials. (1992 Product Knowledge Handbook)

Do-It-Yourself Retailing, v162, n5, p103(10)

May, 1992

ISSN: 0889-2989 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 11437 LINE COUNT: 00895

...yers are tackling minor repair jobs. Some are even accepting major remodeling projects.

Your employees **face** a greater challenge helping these typical do-it-yourselfers.

Employees must be able to translate...

...label lists the "R" number. The next column tells how many bags are needed to **cover** 1,000 square feet of attic floor area. The third column

gives the minimum thickness...construction industry due to their durability

and low cost. Fiberboard repels water and the asphalt **coating**

eliminates
the need for building paper.

Polystyrene sheathings are available in molded board (polystyrene beads...

...wrapped because of their different sizes.

Insulation for water heaters consists of a blanket or **covering** of fiberglass or reflective foil that is slipped over the water heater and reduces the...

...of insulation slightly long to ensure a tight fit. Install it with the vapor barrier **facing** toward the warm-in-winter side. Wedge the blankets snugly between the studs. Staple the...

...build-up. Do not leave faced insulation or polyethylene uncovered because these materials are flammable. **Cover** it with an approved interior finish such as gypsum wallboard.

Insulation installation in the floor...

...R-19 kraft-faced insulation blankets between the floor joists. Make sure the vapor barrier **faces** up toward the warm-in-winter side--the insulation will stay in place temporarily. However...used as a promotion leader. Acoustical and sculptured tiles are available, some with a vinyl **coating** that allows them to be cleaned easily.

One method of installation involves a system of...

...are relatively easy to install. They can be used to lower high ceilings and to **cover** open framing, heating ducts and other pipes.

Suspended ceiling tiles normally are 2'x 4...

...A customer merely rolls it out, nails it down and then cements the laps and **covers** nail holes, leaving no space for damage from wind, rain or snow.

You will want...

...customer interested in roll roofing.

A typical roll roofing, known as 90# granule-coated, will **cover** 100 square feet. In roofing terminology, a "square" is a 10' x 10' area.

A 45# smooth roofing, without granules, will also **cover** a square.

Those two rolls, plus a smooth 65# roll, will suffice for roll roofing...

appealing real wood look, ease of installation and toughness. It comes in a variety of **face** treatments and species. It is available in 3/8" and other

thicknesses, but 1/2...to support mailboxes and outdoor lamps.

SIMULATED BRICK/STONE

Imitation brick and/or stone wall **facings** are made of plastic or fiberglass. Some brands come in interlocking panels; the best selling...

...and prefinished pre-hung, with hardware attached ready to use.

They can be used to **cover** interior windows or as cafe doors between rooms.

Besides the conventional louvered shutter, open frame...in a framework that includes the header and side jambs of the door and the **casing** trim. The door may be pre-drilled for the lockset. If you buy doors separately...

...jamb--along with the hinges and lockset.

INSULATED DOORS

Insulated doors usually have galvanized steel **facing** with polystyrene, wood or particleboard cores. The steel exterior provides structural strength and eliminates cracking...so it is a good item to merchandise and promote.

Closet lining comes in bundles **covering** 32 square feet.

ROLL LAMINATES

Roll laminates are the do-it-yourselfer's version of...

...tile is an impermeable, smooth-surfaced tile with a colored, opaque glaze fused to the **face** during firing. The glaze may be high-gloss, satin or matte with a smooth or...

...and constructed for heavy wear. This type is sometimes glazed.

Decorative tile is any tile **face** decorated by silk screening, hand painting or affixing of decals before firing.

Faience tile has variations in the **face**, edges and glaze that give a handcrafted, non-mechanical, decorative effect.

Floor tile is a...

...abrasion and impact.

Mounted tile is assembled into units or sheets, either back-mounted or **face**-mounted, and bonded to facilitate handling.

Sculptured tile has a decorative design of high and low areas molded into the **face**.

Special purpose tile is glazed or unglazed tile with special physical

...wooden cabinet box. In a traditional cabinet, the frame is visible; the doors don't **cover** it."

With a European design the doors fit flush to each other on a frameless box. These doors "completely **cover**, or overlay, the cabinet box." A frameless cabinet is identified as European regardless of where...

...of door construction, because a thin or light-weight hinge might

malfunction after several years. **Face** -mounting, where the hinge is actually screwed on the front **face** , is typical of lower-cost cabinets;
such hinges will come loose over a period of time. Sturdier hinges are wrapped around the **face** frame, providing a strong connection which also
hides the hinge when the door is closed...

...dishes and other items stored inside.

- * Wood frame cabinets should have tightly fitted joints and **face** frames which will prevent problems as the cabinets age.

- * Manufacturer literature is a good source...but a rule of thumb is
that a 90 lb. bag of concrete mix will **cover** all B-square-foot area
1"
thick.

BLACKTOP SEALER

Outdoor asphalt surfaces require periodic treatment...

...metal and felt for more sturdy use.

Clear wood moulding with closed-cell vinyl foam **facing** is one of
the best-selling do-it-yourself weatherstrips in the hardware/home
center

...sides, open the door halfway and install the same way as door bottom
weatherstrip.

FLOOR COVERINGS

CARPETING

Carpet tiles, indoor-outdoor tile and roll-type carpeting are
durable
in recreation rooms...

...to comfort.

Padding is usually made from felted cushion, foam plastic or
rubber.
Roll-type **coverings** and paddings, usually in 36", 54", 72", 108" and
144"
widths, can be installed with...

...vinyl or urethane. Inlaid flooring is not recommended for do-it-
yourself
installation.

Most floor **coverings** have a " **no wax** " surface. They are
vinyl or

urethane . These floors keep their shine longer than regular vinyl and
require no waxing, however, most A **urethane** surface is tougher than
vinyl

no - wax . A vinyl **no - wax** floor will lose its shine eventually;
the
floor is not harmed if nothing is done...

...determined by the quality of the material as well as the thickness
of

the vinyl **covering** . All else being equal, a thicker **coating** ensures
longer life. Some manufacturers say that the type of wear surface is
more
important...

...but allowing dirt and germs to be trapped.

SEAMLESS FLOORS

Seamless flooring is liquid floor **covering** applied over any paintable surface in a number of coats. Usually a base coat **covers** the old floor.

A layer of color flakes is then applied and sealed with a...

...as its base. If the flooring is applied over peeling or cracking linoleum, the new **coating** may peel; if the base is red concrete, the red may begin to bleed through...

...2) Prevent non-veneer or plywood decking from getting wet before and after application.

3) **Cover** wood deck with an asphalt-saturated felt shingle underlayment or with No. 1 non-perforated...

...passes through the roof and requires flashing.

Square--The amount of roofing material required to **cover** 100 square feet (10'x 10') of roof surface.

Valley--The trough formed where two...

12/3,K/21 (Item 1 from file: 484)

DIALOG(R)File 484:Periodical Abs Plustext

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03761571 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Border Patrol

Clagett, Leslie

Today's Homeowner (GHMX), v94 n826, p12, p.1

Jun 1998

ISSN: 1089-4810 JOURNAL CODE: GHMX

DOCUMENT TYPE: Product Review-Favorable

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 228

TEXT:

... with real limitations. Paint stencils scuff off. Inlaid wood patterns cost a bundle. And carpeting **covers** up that nice hardwood floor.

Anderson Hardwood Floors is now offering Pizzazz Wood Borders, prefabricated...

...creating a border about 6 in. from the wall. A box of five planks (\$195)

covers about 16 lin. ft.; they can be used in tongue-and-groove or square-cut...

...Manor motif and the Antique Fruit frieze. These designs are embedded in

a stain-resistant, **no - wax polyurethane** finish, so the patterns can be

sanded off if you get tired of the border...

12/3,K/22 (Item 2 from file: 484)

DIALOG(R)File 484:Periodical Abs Plustext

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03491268 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Best new 1998 products

Anonymous

Today's Homeowner (GHMX), v93 n821, p42-64, p.21

Dec 1997/Jan 1998

ISSN: 1089-4810 JOURNAL CODE: GHMX

DOCUMENT TYPE: Feature

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 6076

TEXT:

... cross-laid wood plies. The top layer is 1/4-in.-thick pine protected

by a **no - wax urethane** finish.

Two types are available: Pagosa Pine Natural is a light-blond, knotty-pine plank...given) and contributes no smoke to a fire.

Unlike many other fire-resistant paints, this **coating** has a low-luster, eggshell sheen that's scrubbable and stain-resistant-ideal for

kids...more, it can be applied over new wood and previously stained or painted decking. The **coating** dries quickly and cleans up with soap and

water. Six readymixed colors and four tintable...

...weed seeds sprout. It also becomes more effective with subsequent applications. A 25-lb. bag **covers** 1,250 to 2,500 sq. ft. and lists for

\$27.99; a 50-lb. bag **covers** 2,500 to 5,000

~~Inventor search

? show files;ds

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| S3 | 30 | AU='BARANDA, P S':AU='BARANDA, PEDRO, S.' |
| S4 | 19 | IV='BARANDA P':IV='BARANDA PEDRO S FARMINGTON CONN US' |
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| S7 | 18 | AU='HOLLOWELL R L' |
| S8 | 35 | AU='HOLLOWELL RICHARD L':AU='HOLLOWELL RICHARD L 90 |
| HOADLY | | |
| ROAD AMSTON CT 0' | | |
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| S11 | 160 | AU='PITTS J' |
| S12 | 17 | AU='PITTS J T' |
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| S20 | 11 | AU='PITTS, J. T.':AU='PITTS, J. TERRY' |
| S21 | 3 | AU='PITTS, J.T.' |
| S22 | 151 | AU='PITTS, JOHN' |
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| S27 | 3 | IV='PITTS J' |
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| S30 | 10 | IV='PITTS JOHN T':IV='PITTS JOHN THOMAS' |
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S33 5 IV='PITTS, JOHN, T.':IV='PITTS, JOHN, THOMAS'
S40 2 AU="O'DONNELL, H"
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S42 18 AU="O'DONNELL H"
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S47 34 AU='ODONNELL H'
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S49 7 AU='ODONNELL HJ'
S50 15 AU='O DONNELL H':AU='O DONNELL H J'
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HILLCREST

DRIVE CINC'
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S54 22 AU="O'DONNELL, H."
S55 16 AU="O'DONNELL, H. J":AU="O'DONNELL, H. J."
S56 25 AU="O'DONNELL, H.J."
S57 18 AU="O'DONNELL, HUGH"
S58 67 AU="O'DONNELL, HUGH J":AU="O'DONNELL, HUGH JOSEPH"
S59 28 AU="O'DONNELL, HUGH, J.":AU="O'DONNELL, HUGH, JOSEPH,
240 -

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S60 5 AU='ODONNELL, H'
S61 3 AU='ODONNELL, HUGH'
S62 19 AU='ODONNELL, HUGH, 1950-'
S63 4 AU='O DONNELL, H.'
S64 3 AU='O DONNELL, H. W.'
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S69 31 IV='ODONNELL H J':IV='ODONNELL H J P'
S70 13 IV='O DONNELL H J'
S71 46 IV='O DONNELL HUGH':IV='O DONNELL HUGH JOSEPH 240
HILLCREST

DRIVE CINC'
S72 38 IV="O'DONNELL, HUGH":IV="O'DONNELL, HUGH JOSEPH"
S73 28 IV="O'DONNELL, HUGH, J.":IV="O'DONNELL, HUGH, JOSEPH,
240 -

HILLCREST DRIVE,"
S74 13 IV='O DONNELL H J'
S75 46 IV='O DONNELL HUGH':IV='O DONNELL HUGH JOSEPH 240
HILLCREST

DRIVE CINC'
S76 137 AU=((O'DONNELL OR ODONNELL OR O()DONNELL OR O
DONNELL) (2N)-
(HUGH OR HJ OR H.J.) OR PITTS(2N) (JOHN OR JT OR J.T.) OR
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 N) (PEDRO OR PS OR P.S.))
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 S79 815 S1:S50
 S80 1000 S51:S79
 S81 232 S80 FROM 347,348,349,350,371
 S82 4 IC=F16G
 S83 4 S81 AND S82
 S84 82 URETHANE OR URETHANES OR POLYURETHANE OR POLYURETHANES
 OR -
 ETHYL() CARBAMATE OR ETHYLCARBAMATE OR POLYCARBAMATE OR
 POLYCA-
 RBAMATES
 S85 74 S81 AND S84
 S86 88 (ELEVAT?R OR ELEVAT?RS OR LIFT OR LIFTS OR FRICTION OR
 DRI-
 VE OR CONVEY?R OR CONVEY?RS OR HOIST??? OR TRAM OR TRAMS
 OR E-
 SCALAT?R OR ESCALAT?RS) (2N) (BELT OR BELTS OR ROPE OR ROPES
 OR
 WEB OR WEBS OR LINE OR LINES)
 S87 21 S85(S)S86
 S88 9 S85(10N)S86
 S89 13 S83 OR S88
 S90 13 IDPAT (sorted in duplicate/non-duplicate order)
 S91 10 IDPAT (primary/non-duplicate records only)
 S92 768 S80 NOT S81
 S93 8 S84 AND S92
 S94 3 S86 AND S92
 S95 9 S93 OR S94
 S96 5 S95 NOT PY>2001
 S97 5 S96 NOT PD=20011113:20070731
 S98 5 RD (unique items)
 S99 15 S91 OR S98

99/AA,AN,AZ,TI/1 (Item 1 from file: 349)
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01107609

ELEVATOR BELT ASSEMBLY WITH PRESTRETCHED SYNTHETIC CORDS
ENSEMBLE DE COURROIE TRANSPORTEUSE A CORDES SYNTHETIQUES PRE-ETIREES
 Application: WO 2002US30394 20020925 (PCT/WO US02030394)

99/AA,AN,AZ,TI/2 (Item 2 from file: 349)
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01012378

ELEVATOR BELT WITH GROOVELESS JACKET

**ENSEMBLE COURROIE D'ASCENSEUR AVEC SYSTEME DE GAINÉ SANS SILLON
REDUISANT**

LE BRUIT ET LES VIBRATIONS

Application: WO 2002US36255 20021112 (PCT/WO US0236255)

99/AA,AN,AZ,TI/3 (Item 3 from file: 349)

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00999612

ELEVATOR BELT ASSEMBLY WITH NOISE REDUCING GROOVE ARRANGEMENT

**ENSEMBLE DE COURROIE D'ASCENSEUR DONT L'ARRANGEMENT DES RAINURES A
POUR**

EFFET DE REDUIRE LE BRUIT

Application: WO 2002US29817 20020919 (PCT/WO US0229817)

99/AA,AN,AZ,TI/4 (Item 4 from file: 349)

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00984403

ELEVATOR ROPE WITH WAXLESS COATING

CABLE D'ASCENSEUR COMPORTANT UN REVETEMENT SANS CIRE

Application: WO 2002US23513 20020724 (PCT/WO US0223513)

99/AA,AN,AZ,TI/5 (Item 1 from file: 350)

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0013493254

WPI ACC NO: 2003-585580/

**Manufacture of lift belt assembly with cords in jacket comprises
aligning**

**cords in selected arrangement, applying selected jacket material to
cords,**

and maintaining selected tension on cords

Original Titles:

FLACHSEIL FÜR AUFZUG MIT NUTLOSEM MANTEL

ELEVATOR BELT WITH GROOVELESS JACKET

ENSEMBLE COURROIE D'ASCENSEUR AVEC SYSTEME DE GAINÉ SANS SILLON
REDUISANT

LE BRUIT ET LES VIBRATIONS

Elevator belt assembly with noise and vibration reducing grooveless
jacket

arrangement

ELEVATOR BELT ASSEMBLY WITH NOISE AND VIBRATION REDUCING GROOVELESS
JACKET

ARRANGEMENT

ENSEMBLE COURROIE D'ASCENSEUR AVEC SYSTEME DE GAINÉ SANS SILLON
REDUISANT

LE BRUIT ET LES VIBRATIONS

Local Applications (No Type Date): US 200110937 A 20011113; WO

2002US36255 A 20021112; EP 2002789595 A 20021112; WO 2002US36255

A

20021112; BR 200213769 A 20021112; WO 2002US36255 A 20021112; WO
2002US36255 A 20021112; JP 2003543933 A 20021112; CN 2002822394
A
20021112; TW 2002133261 A 20021113; WO 2002US36255 A 20021112; KR
2004706500 A 20040430
Priority Applications (no., kind, date): US 200110937 A 20011113

99/AA,AN,AZ,TI/6 (Item 2 from file: 350)
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0013361043
WPI ACC NO: 2003-449146/
**Elevator belt assembly for use in elevator system, has cords, and
jacket
with grooves spaced longitudinally on jacket side(s) such that spacings
between adjacent grooves vary along length of the belt assembly**

Original Titles:
AUFZUGSRIEMEN MIT GERAUSCHREDUZIERENDER NUTENANORDNUNG
ELEVATOR BELT ASSEMBLY WITH NOISE REDUCING GROOVE ARRANGEMENT
ENSEMBLE DE COURROIE D'ASCENSEUR DONT L'ARRANGEMENT DES RAINURES A POUR
EFFET DE REDUIRE LE BRUIT
AUFZUGSRIEMEN MIT GERAUSCHREDUZIERENDER NUTENANORDNUNG
ELEVATOR BELT ASSEMBLY WITH NOISE REDUCING GROOVE ARRANGEMENT
ENSEMBLE DE COURROIE D'ASCENSEUR DONT L'ARRANGEMENT DES RAINURES A POUR
EFFET DE REDUIRE LE BRUIT
Elevator belt assembly with noise reducing groove arrangement
ELEVATOR BELT ASSEMBLY WITH NOISE REDUCING GROOVE ARRANGEMENT
ENSEMBLE DE COURROIE D'ASCENSEUR DONT L'ARRANGEMENT DES RAINURES A POUR
EFFET DE REDUIRE LE BRUIT

Local Applications (No Type Date): WO 2002US29817 A 20020919; US
2001970587 A 20011004; EP 2002761752 A 20020919; WO 2002US29817
A
20020919; KR 2004704007 A 20040319; WO 2002US29817 A 20020919; JP
2003532757 A 20020919; CN 2002819745 A 20020919; EP 2002761752 A
20020919; WO 2002US29817 A 20020919; DE 60210644 A 20020919; EP
2002761752 A 20020919; WO 2002US29817 A 20020919; DE 60210644 A
20020919; EP 2002761752 A 20020919; WO 2002US29817 A 20020919; EP
2002761752 A 20020919
Priority Applications (no., kind, date): US 2001970587 A 20011004

99/AA,AN,AZ,TI/7 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0013267740
WPI ACC NO: 2003-353563/
**Rope assembly for lifts , has load bearing units coated with waxless
thermal polyurethane**

Original Titles:
Elevator belt assembly with waxless coating
ELEVATOR ROPE WITH WAXLESS COATING
CABLE D'ASCENSEUR COMPORTANT UN REVETEMENT SANS CIRE

Local Applications (No Type Date): US 2001921803 A 20010803; WO
2002US23513 A 20020724; DE 10297076 A 20020724; WO 2002US23513 A
20020724; WO 2002US23513 A 20020724; JP 2003519585 A 20020724; CN
2002815193 A 20020724
Priority Applications (no., kind, date): US 2001921803 A 20010803

99/AA,AN,AZ,TI/8 (Item 4 from file: 350)

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0010378838

WPI ACC NO: 2000-127380/

**Wedge clamp termination for round or rectangular cross-section elevator
ropes in which a rope is wrapped around a wedge and inserted in a
socket**

**where it is clamped between the wedge and socket jaw surfaces by the
rope
tension**

Original Titles:

Keilklammer Endungstyp fur Aufzugszugglied

Keilklammer Endungstyp fur Aufzugszugglied

KEILKLAMMER ENDUNGSTYP FUR AUFZUGSZUGGLIED

WEDGE CLAMP TYPE TERMINATION FOR ELEVATOR TENSION MEMBER

TERMINAISON DE TYPE PINCE CLAVETTE POUR ELEMENT DE TENSION D'ASCENSEUR

KEILKLAMMER ENDUNGSTYP FUR AUFZUGSZUGGLIED

WEDGE CLAMP TYPE TERMINATION FOR ELEVATOR TENSION MEMBER

TERMINAISON DE TYPE PINCE CLAVETTE POUR ELEMENT DE TENSION D'ASCENSEUR

Wedge clamp type termination for elevator tension member

Wedge clamp type termination for elevator tension member.

Wedge clamp type termination for elevator tension member.

WEDGE CLAMP TYPE TERMINATION FOR ELEVATOR TENSION MEMBER

TERMINAISON DE TYPE PINCE CLAVETTE POUR ELEMENT DE TENSION D'ASCENSEUR

Local Applications (No Type Date): CN 1999103120 A 19990225; WO

1999US30227 A 19991217; US 1998224045 A 19981231; US 1998224045

A

19981231; US 2001845866 A 20010430; EP 1999966424 A 19991217; WO

1999US30227 A 19991217; BR 199916482 A 19991217; WO 1999US30227

A

19991217; KR 2001708220 A 20010627; US 1998224045 A 19981231; US

2001845866 A 20010430; WO 1999US30227 A 19991217; JP 2000592215

A

19991217; ES 1999362 A 19990222; EP 1999966424 A 19991217; WO

1999US30227 A 19991217; DE 69920961 A 19991217; EP 1999966424 A

19991217; WO 1999US30227 A 19991217; WO 1999US30227 A 19991217;

RU

2001121649 A 19991217; EP 1999966424 A 19991217; ES 1999362 A

19990222; DE 69920961 A 19991217; EP 1999966424 A 19991217; WO

1999US30227 A 19991217; DE 29924824 U 19991217; DE 29924841 U

19991217; DE 29924824 U 19991217; WO 1999US30227 A 19991217; WO

1999US30227 A 19991217; IN 2001MN691 A 20010612; IN 2005MN613 A

20050614

Priority Applications (no., kind, date): US 199831108 A 19980226; US

1998224045 A 19981231; US 2001845866 A 20010430

99/AA,AN,AZ,TI/9 (Item 5 from file: 350)

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0010372719

WPI ACC NO: 2000-024248/

Tension member termination device for an elevator car lifting assembly includes a potting material to bond the cords, insert, and socket

Original Titles:

Epoxy type termination for flexible flat termination member.

Local Applications (No Type Date): CN 1999103326 A 19990225; US

1998220120 A 19981223; ES 1999361 A 19990222; ES 1999361 A 19990222

Priority Applications (no., kind, date): US 199831108 A 19980226; US 1998220120 A 19981223

99/AA,AN,AZ,TI/10 (Item 6 from file: 350)

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0008710793

WPI ACC NO: 1998-251316/

Lift hoist rope has coated non-metallic fibres encased - in a jacket of polyurethane with embedded poly-aramid fibres

Original Titles:

KUNSTSTOFFSEIL FUR EINEN AUFZUG

SYNTHETIC NON-METALLIC ROPE FOR AN ELEVATOR

CABLE SYNTHETIQUE NON METALLIQUE D'ASCENSEUR

KUNSTSTOFFSEIL FUR EINEN AUFZUG

SYNTHETIC NON-METALLIC ROPE FOR AN ELEVATOR

CABLE SYNTHETIQUE NON METALLIQUE D'ASCENSEUR

Synthetic non-metallic rope for an elevator.

Synthetic non-metallic rope for an elevator.

SYNTHETIC NON-METALLIC ROPE FOR AN ELEVATOR

Local Applications (No Type Date): WO 1997US15406 A 19970903; US

1996729975 A 19961015; EP 1997939725 A 19970903; WO 1997US15406 A

19970903; BR 199712302 A 19970903; WO 1997US15406 A 19970903; CN 1997198828 A 19970903; US 1996729975 A 19961015; US 1999243308 A 19990202; WO 1997US15406 A 19970903; JP 1998518326 A 19970903; WO 1997US15406 A 19970903; KR 1999703186 A 19990413; EP 1997939725

A 19970903; WO 1997US15406 A 19970903; DE 69714599 A 19970903; EP 1997939725 A 19970903; WO 1997US15406 A 19970903; WO 1997US15406

A 19970903; KR 1999703186 A 19990413; CN 1997198828 A 19970903; CN 200410085638 A 19970903; CN 1997198828 A 19970903; CN

200610100696 A

19970903

Priority Applications (no., kind, date): US 1996729975 A 19961015; US 1999243308 A 19990202

99/AA,AN,AZ,TI/11 (Item 1 from file: 23)
DIALOG(R)File 23:(c) 2007 CSA. All rts. reserv.

0004481600 IP ACCESSION NO: 199302-F1-D-0070
Ether-Based Polyurethane Article

99/AA,AN,AZ,TI/12 (Item 2 from file: 23)
DIALOG(R)File 23:(c) 2007 CSA. All rts. reserv.

0004481599 IP ACCESSION NO: 199208-E1-P-0574
**Ether-Based Polyurethane Elevator Sheave Liner-- Polyurethane -Urea
Made
From Polyether Urethane Propolymer Chain Extended With
Polyester/Diamine
Blend**

99/AA,AN,AZ,TI/13 (Item 1 from file: 323)
DIALOG(R)File 323: (c) 2007 RAPRA Technology Ltd. All rts. reserv.

00705308
TITLE: METHOD OF REPLACING SHEAVE LINER
APPLICATION NUMBER: US 559357 (US 559357-1995)

99/AA,AN,AZ,TI/14 (Item 1 from file: 399)
DIALOG(R)File 399:(c) 2007 American Chemical Society. All rts. reserv.

134076433 CA: 134(6)76433z
**Apertured webs having permanent hydrophilicity and absorbent polymer
articles using such webs**
APPLICATION: WO 2000US16182 (20000613) *US 344161 (19990624)

99/AA,AN,AZ,TI/15 (Item 2 from file: 399)
DIALOG(R)File 399:(c) 2007 American Chemical Society. All rts. reserv.

118214505 CA: 118(22)214505x
Polyurethane-urea elevator sheave liner
APPLICATION: US 686102 (910416)

~~Bibliographic patent files

? show files;ds
File 347:JAPIO Dec 1976-2006/Dec(Updated 070403)
(c) 2007 JPO & JAPIO
File 350:Derwent WPIX 1963-2007/UD=200738
(c) 2007 The Thomson Corporation
File 371:French Patents 1961-2002/BOPI 200209
(c) 2002 INPI. All rts. reserv.

| Set | Items | Description |
|-----|---------|--|
| S1 | 3627320 | JACKET OR JACKETS OR COATING OR COATINGS OR COVER OR COVERS OR COVERING OR COVERINGS OR FACE OR FACES OR FACING OR |

FACIN-

GS OR CASING OR CASINGS

S2 2065 WAXLESS OR UNWAXED OR (NON OR "NO" OR WITHOUT OR
UN) (2N) (W-

AX OR WAXED OR WAXING)

S3 233507 URETHANE OR URETHANES OR POLYURETHANE OR POLYURETHANES
OR -

ETHYL()CARBAMATE OR ETHYLCARBAMATE OR POLYCARBAMATE OR

POLYCA-

RBAMATES

S4 111710 (ELEVAT?R OR ELEVAT?RS OR LIFT OR LIFTS OR FRICTION OR
DRI-

VE OR CONVEY?R OR CONVEY?RS OR HOIST??? OR TRAM OR TRAMS

OR E-

SCALAT?R OR ESCALAT?RS) (2N) (BELT OR BELTS OR ROPE OR ROPES

OR

WEB OR WEBS OR LINE OR LINES)

S5 3 S1(10N) (S2(3N)S3)

S6 0 S4(S)S5

S7 7 S1 AND (S2(5N)S3)

S8 21575 IC=F16G

S9 2 S7 AND (S4 OR S8)

S10 4 S5 OR S9

S11 4 IDPAT (sorted in duplicate/non-duplicate order)

S12 4 IDPAT (primary/non-duplicate records only)

12/AN,AZ,TI/1 (Item 1 from file: 350)

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0013493254

**Manufacture of lift belt assembly with cords in jacket comprises
aligning cords in selected arrangement, applying selected jacket
material
to cords, and maintaining selected tension on cords**

Original Titles:

FLACHSEIL FUR AUFZUG MIT NUTLOSEM MANTEL

ELEVATOR BELT WITH GROOVELESS JACKET

ENSEMBLE COURROIE D'ASCENSEUR AVEC SYSTEME DE GAINÉ SANS SILLON
REDUISANT

LE BRUIT ET LES VIBRATIONS

**Elevator belt assembly with noise and vibration reducing grooveless
jacket arrangement**

**ELEVATOR BELT ASSEMBLY WITH NOISE AND VIBRATION REDUCING GROOVELESS
JACKET ARRANGEMENT**

ENSEMBLE COURROIE D'ASCENSEUR AVEC SYSTEME DE GAINÉ SANS SILLON
REDUISANT

LE BRUIT ET LES VIBRATIONS

Local Applications (No Type Date): US 200110937 A 20011113; WO

2002US36255 A 20021112; EP 2002789595 A 20021112; WO 2002US36255

A

20021112; BR 200213769 A 20021112; WO 2002US36255 A 20021112; WO
2002US36255 A 20021112; JP 2003543933 A 20021112; CN 2002822394

A

20021112; TW 2002133261 A 20021113; WO 2002US36255 A 20021112; KR
2004706500 A 20040430

Priority Applications (no., kind, date): US 200110937 A 20011113

12/AN,AZ,TI/2 (Item 2 from file: 350)

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0013267740

Rope **assembly for lifts , has load bearing units coated with waxless thermal polyurethane**

Original Titles:

Elevator belt assembly with waxless coating

ELEVATOR ROPE WITH WAXLESS COATING

CABLE D'ASCENSEUR COMPORTANT UN REVETEMENT SANS CIRE

Local Applications (No Type Date): US 2001921803 A 20010803; WO 2002US23513 A 20020724; DE 10297076 A 20020724; WO 2002US23513 A 20020724; WO 2002US23513 A 20020724; JP 2003519585 A 20020724; CN 2002815193 A 20020724

Priority Applications (no., kind, date): US 2001921803 A 20010803

12/AN,AZ,TI/3 (Item 3 from file: 350)

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0007432343

A floor covering is produced from a (meth)polyacrylate polyester - and it has better stain resistance than commercial polyurethane and/or polyacrylate coatings

Original Titles:

(Meth) acrylated aromatic polyester floor covering wear layer.

(Meth)acrylated, aromatic polyester/highly ethoxylated (meth)acrylate blend floor covering wear layer.

(Meth)acrylated, highly ethoxylated, aromatic polyesters.

Local Applications (No Type Date): CA 2145948 A 19950330; US 1994223760

A 19940406; US 1995418873 A 19950406; US 1994223760 A 19940406; US

1995418873 A 19950406; US 1996644207 A 19960510; US 1994223760 A 19940406; US 1995418873 A 19950406; US 1996644207 A 19960510; US 1997885503 A 19970630

Priority Applications (no., kind, date): US 1997885503 A 19970630; US 1996644207 A 19960510; US 1995418873 A 19950406; US 1994223760 A 19940406

12/AN,AZ,TI/4 (Item 4 from file: 350)

DIALOG(R)File 350:(c) 2007 The Thomson Corporation. All rts. reserv.

0004101029

Mfg. sharp brightly coloured floor tiles with cast wear layer - involves

applying clear liq. plastisol to release paper, gelling, transferring printed design, etc., laminating to base web and embossing

Original Titles:

Method and apparatus for making a printed and embossed floor covering using

a cast wear layer

Local Applications (No Type Date): US 1985708306 A 19850305

Priority Applications (no., kind, date): US 1985708306 A 19850305

~~Bibliographic NPL files

? show files;ds

File 2:INSPEC 1898-2007/Jun W2
(c) 2007 Institution of Electrical Engineers
File 6:NTIS 1964-2007/Jun W4
(c) 2007 NTIS, Intl Cpyrght All Rights Res
File 8:Ei Compendex(R) 1884-2007/Jun W2
(c) 2007 Elsevier Eng. Info. Inc.
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(c) 2007 CSA.
File 34:SciSearch(R) Cited Ref Sci 1990-2007/Jun W4
(c) 2007 The Thomson Corp
File 35:Dissertation Abs Online 1861-2007/May
(c) 2007 ProQuest Info&Learning
File 63:Transport Res(TRIS) 1970-2007/May
(c) fmt only 2007 Dialog
File 65:Inside Conferences 1993-2007/Jun 19
(c) 2007 BLDSC all rts. reserv.
File 81:MIRA - Motor Industry Research 2001-2007/Mar
(c) 2007 MIRA Ltd.
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File 315:ChemEng & Biotec Abs 1970-2007/May
(c) 2007 DECHEMA
File 322:Polymer Online
(c) 1990 John Wiley & Sons Inc.
File 323:RAPRA Rubber & Plastics 1972-2007/Jun
(c) 2007 RAPRA Technology Ltd
File 354:Ei EnCompassLit(TM) 1965-2007/Jun W3
(c) 2007 Elsevier Eng. Info. Inc.
File 399:CA SEARCH(R) 1967-2007/UD=14626
(c) 2007 American Chemical Society
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 2006 The Thomson Corp
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group

| Set | Items | Description |
|-----|---------|---|
| S1 | 3458310 | JACKET OR JACKETS OR COATING OR COATINGS OR COVER OR COVERS |
| | | OR COVERING OR COVERINGS OR FACE OR FACES OR FACING OR FACIN- |
| | | GS OR CASING OR CASINGS |
| S2 | 956 | WAXLESS OR UNWAXED OR (NON OR "NO" OR WITHOUT OR UN) (2N) (W- |

AX OR WAXED OR WAXING)
S3 357112 URETHANE OR URETHANES OR POLYURETHANE OR POLYURETHANES
OR -
ETHYL()CARBAMATE OR ETHYLCARBAMATE OR POLYCARBAMATE OR
POLYCA-
RBAMATES
S4 30645 (ELEVAT?R OR ELEVAT?RS OR LIFT OR LIFTS OR FRICTION OR
DRI-
VE OR CONVEY?R OR CONVEY?RS OR HOIST??? OR TRAM OR TRAMS
OR E-
SCALAT?R OR ESCALAT?RS) (2N) (BELT OR BELTS OR ROPE OR ROPES
OR
WEB OR WEBS OR LINE OR LINES)
S5 7 S1(10N) (S2(3N)S3)
S6 1 S4(S)S5
S7 7 S1 AND (S2(5N)S3)
S8 7 (S2(5N)S3) AND (S1 OR S4)
S9 6 S8 NOT PY>2001
S10 6 S9 NOT PD=20011113:20070731
S11 6 RD (unique items)

11/6/1 (Item 1 from file: 322)
207120000 Summary
Chapter CH=20712
Type TY=207120
Unit UN=207120000

Chapter Title: Flooring Materials

11/6/2 (Item 2 from file: 322)
207121004 Text
Chapter CH=20712
Type TY=207121
Unit UN=207121001

Chapter Title: Flooring Materials

Text starts in 207121001
Text continued from 207121003

11/6/3 (Item 1 from file: 399)
DIALOG(R)File 399:(c) 2007 American Chemical Society. All rts. reserv.

Carbamoylmethylated vinyl group-containing guanamine compounds as
low-temperature crosslinkers for polyurethane-based coatings and
adhesives

11/6/4 (Item 2 from file: 399)
DIALOG(R)File 399:(c) 2007 American Chemical Society. All rts. reserv.

Radiation- and moisture-curable coatings for no-wax vinyl floor tiles

11/6/5 (Item 3 from file: 399)
DIALOG(R)File 399:(c) 2007 American Chemical Society. All rts. reserv.

High performance urethane coating which is a solvent solution of a polyester containing hydroxyl groups and an aliphatic diisocyanate

11/6/6 (Item 4 from file: 399)

DIALOG(R)File 399:(c) 2007 American Chemical Society. All rts. reserv.

Photopolymerizable and moisture curable coating containing partially capped isocyanate prepolymers and acrylate monomers

~~Full text NPL files

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File 9:Business & Industry(R) Jul/1994-2007/Jun 15

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File 15:ABI/Inform(R) 1971-2007/Jun 19

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File 16:Gale Group PROMT(R) 1990-2007/Jun 15

(c) 2007 The Gale Group

File 47:Gale Group Magazine DB(TM) 1959-2007/Jun 07

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File 80:TGG Aerospace/Def.Mkts(R) 1982-2007/Jun 15

(c) 2007 The Gale Group

File 98:General Sci Abs 1984-2007/Jun

(c) 2007 The HW Wilson Co.

File 148:Gale Group Trade & Industry DB 1976-2007/Jun 15

(c)2007 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989

(c) 1999 The Gale Group

File 484:Periodical Abs Plustext 1986-2007/Jun W2

(c) 2007 ProQuest

File 624:McGraw-Hill Publications 1985-2007/Jun 06

(c) 2007 McGraw-Hill Co. Inc

| Set | Items | Description |
|-----|-------|-------------|
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| | | |
|----|---------|---|
| S1 | 5280952 | JACKET OR JACKETS OR COATING OR COATINGS OR COVER OR COVERS |
|----|---------|---|

OR COVERING OR COVERINGS OR FACE OR FACES OR FACING OR

FACIN-

GS OR CASING OR CASINGS

| | | |
|----|------|--|
| S2 | 2385 | WAXLESS OR UNWAXED OR (NON OR "NO" OR WITHOUT OR |
|----|------|--|

UN) (2N) (W-

AX OR WAXED OR WAXING)

| | | |
|----|-------|--|
| S3 | 88050 | URETHANE OR URETHANES OR POLYURETHANE OR POLYURETHANES |
|----|-------|--|

OR -

ETHYL()CARBAMATE OR ETHYLCARBAMATE OR POLYCARBAMATE OR

POLYCA-

RBAMATES

| | | |
|----|-------|--|
| S4 | 59199 | (ELEVAT?R OR ELEVAT?RS OR LIFT OR LIFTS OR FRICTION OR |
|----|-------|--|

DRI-

VE OR CONVEY?R OR CONVEY?RS OR HOIST??? OR TRAM OR TRAMS

OR E-

SCALAT?R OR ESCALAT?RS) (2N) (BELT OR BELTS OR ROPE OR ROPES

OR

WEB OR WEBS OR LINE OR LINES)

S5 3 S1(10N) (S2(3N)S3)
 S6 0 S4(S)S5
 S7 31 (S2(5N)S3) (F) (S1 OR S4)
 S8 11 (S2(5N)S3) (S) (S1 OR S4)
 S9 31 S7 OR S8
 S10 23 S9 NOT PY>2001
 S11 23 S10 NOT PD=20011113:20070731
 S12 22 RD (unique items)

12/6/1 (Item 1 from file: 9)
 01683697 Supplier Number: 24415508
Bruce Floor Care Products - No - Wax Floor Cleaner; Fresh Finish
Urethane Touch-Up Finish; Touch-Up Kit; Floor Care Kit; Eraser
Replacement Covers ; Clean 'n' Strip Wood Cleaner/Wax Remover; Lite
'n'
Natural Liquid Paste Wax with Cleaner; Dark 'n' Rich Liquid Paste Wax
with Cleaner; One Step No-Buff Acrylic Finish MANUFACTURER: Bruce
Hardwood Floors CATEGORY: 401 - Floor Care
 October 12, 1998
 WORD COUNT: 196

12/6/2 (Item 1 from file: 16)
 08173425 Supplier Number: 68504165 (USE FORMAT 7 FOR FULLTEXT)
Products & Equipment (8).
 Oct, 2000
 Word Count: 478

12/6/3 (Item 2 from file: 16)
 07599409 Supplier Number: 63609701 (USE FORMAT 7 FOR FULLTEXT)
Building Materials.
 May, 2000
 Word Count: 14280

12/6/4 (Item 3 from file: 16)
 07254145 Supplier Number: 61619437 (USE FORMAT 7 FOR FULLTEXT)
Do-It-Yourself Sheet Flooring.
 March, 2000
 Word Count: 447

12/6/5 (Item 4 from file: 16)
 07043794 Supplier Number: 57643431 (USE FORMAT 7 FOR FULLTEXT)
Product Spotlight.
 Jan, 1999
 Word Count: 2637

12/6/6 (Item 5 from file: 16)
 05687009 Supplier Number: 53527273 (USE FORMAT 7 FOR FULLTEXT)
Building materials. (1998 Product Knowledge Handbook) (information on the
types, applications and products available in the market)
 May, 1998
 Word Count: 14110

12/6/7 (Item 6 from file: 16)
05160562 Supplier Number: 47875769 (USE FORMAT 7 FOR FULLTEXT)
HARDWOOD FLOOR
August, 1997
Word Count: 133

12/6/8 (Item 7 from file: 16)
03303502 Supplier Number: 44561702 (USE FORMAT 7 FOR FULLTEXT)
Growing Wood
April, 1994
Word Count: 1478

12/6/9 (Item 8 from file: 16)
02261281 Supplier Number: 42953755 (USE FORMAT 7 FOR FULLTEXT)
Armstrong Unites Flooring Team, Reveals New Products
May, 1992
Word Count: 571

12/6/10 (Item 1 from file: 47)
05163481 SUPPLIER NUMBER: 20752049 (USE FORMAT 7 OR 9 FOR FULL
TEXT)
Revive a wood floor without sanding.
June, 1998
WORD COUNT: 2265 LINE COUNT: 00166

12/6/11 (Item 2 from file: 47)
05032804 SUPPLIER NUMBER: 19992584 (USE FORMAT 7 OR 9 FOR FULL
TEXT)
**Best new products: 1998. (tools and supplies for home
improvement) (Cover
Story) (Buyers Guide)**
Dec, 1997
WORD COUNT: 6770 LINE COUNT: 00526

12/6/12 (Item 1 from file: 148)
09372596 SUPPLIER NUMBER: 19232815 (USE FORMAT 7 OR 9 FOR FULL
TEXT)
Concrete. (uses in residential construction)
Feb, 1997
WORD COUNT: 5476 LINE COUNT: 00459

12/6/13 (Item 2 from file: 148)
08918631 SUPPLIER NUMBER: 18413776 (USE FORMAT 7 OR 9 FOR FULL
TEXT)
Building materials. (1996 Product Knowledge Handbook)
May, 1996
WORD COUNT: 12150 LINE COUNT: 00949

12/6/14 (Item 3 from file: 148)

08769465 SUPPLIER NUMBER: 18168387 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Waxes and polishes: products shine despite lackluster market growth.
March, 1996

WORD COUNT: 2326 LINE COUNT: 00181

12/6/15 (Item 4 from file: 148)
07579316 SUPPLIER NUMBER: 16444234 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The specs that sell. (products and materials used in Masco Corp.'s Passages

houses) (Passages)

Nov, 1994

WORD COUNT: 3319 LINE COUNT: 00271

12/6/16 (Item 5 from file: 148)
07567817 SUPPLIER NUMBER: 16401670 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Buyer's guide. (interior design supplies and materials) (Buyers Guide)
Oct 31, 1994

WORD COUNT: 10994 LINE COUNT: 00831

12/6/17 (Item 6 from file: 148)
07483668 SUPPLIER NUMBER: 15638823 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Spotlight on premium flooring.

July-August, 1994

WORD COUNT: 3140 LINE COUNT: 00248

12/6/18 (Item 7 from file: 148)
05928996 SUPPLIER NUMBER: 12471949 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Building materials. (1992 Product Knowledge Handbook)

May, 1992

WORD COUNT: 11437 LINE COUNT: 00895

12/6/19 (Item 8 from file: 148)
05195033 SUPPLIER NUMBER: 10903765 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Changing the face of car care. (non-abrasive waxes and polishes)
(includes

simple tips on waxing your car)

June, 1991

WORD COUNT: 1357 LINE COUNT: 00104

12/6/20 (Item 9 from file: 148)
04561547 SUPPLIER NUMBER: 08891035 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Product focus: hard-surface flooring.

March, 1990

WORD COUNT: 2905 LINE COUNT: 00235

12/6/21 (Item 1 from file: 484)
03761571 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Border Patrol
Jun 1998
WORD COUNT: 228

12/6/22 (Item 2 from file: 484)
03491268 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Best new 1998 products
Dec 1997/Jan 1998
WORD COUNT: 6076